

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q68411

Pascal AGIN

U.S. Patent No. 6,966,401

Appln. No.: 10/073,950

Group Art Unit: 2681

Confirmation No.: 8715

Examiner: Julio R. PEREZ

Filed: February 14, 2002

For: METHOD OF MANAGING PROCESSING RESOURCES IN A MOBILE RADIO  
SYSTEM

**REQUEST FOR CERTIFICATE OF CORRECTION AND  
CORRECTED PATENT UNDER 37 CFR 1.322(b)**

**CERTIFICATE OF CORRECTION BRANCH**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

U.S. Patent 6,966,401 issued on February 7, 2006, with thirteen claims. Six of the claims are in error. Issuance of a Certificate of Correction under 37 CFR 1.322(a) is requested. In addition, due to the significance of the errors, printing of a corrected patent under 37 CFR 1.322(b) is requested. The Grounds for the request are further discussed below.

1. Application claims 1-6 and 17-20 were allowed in the Notice of Allowability attached to the Notice of Allowance mailed August 24, 2005, with claims 17-20 to be renumbered as claims 7-10. So the issued patent should have included 10 claims.

2. The issued patent 6,966,401 includes 13 claims. Instead of including allowed application claims 1-6 and 17-20, the 10 claims of the patent correspond to application claims 1-

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6, 7, 8, 11-13, 16 and 17. Thus, two of the allowed application claims (18 and 19) were omitted, and six of the printed patent claims (patent claims 8-13) were never allowed by the examiner.

3. The errors in the printed patent are due to U.S. Patent and Trademark Office error.

In view of the foregoing, issuance of the Certificate of Correction is respectfully requested. Issuance of a Certificate of Correction in accordance with the attached sheet is respectfully requested. In addition, due to the significance of the claims and the number of claims in error, a reprinted corrected patent is requested.

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

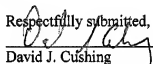
WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: August 10, 2006

Respectfully submitted,

  
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David J. Cushing  
Registration No. 28,703

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AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. A method of managing processing resources in a mobile radio system, wherein:  
a base station signals to a radio network controller a capacity credit and a capacity consumption law giving costs per spreading code,  
the radio network controller updates the capacity credit on the basis of the capacity consumption law, and  
in the case of multicode transmission using N spreading codes, said updating is effected on the basis of the cost for at least one of the N spreading codes.
2. A method according to claim 1, wherein the cost for the N codes corresponds to the sum of the costs for each of the N codes.
3. A method according to claim 1, wherein the cost for the N codes is determined from the cost for one code.
4. A method according to claim 3, wherein the cost for the N codes corresponds to the cost for the minimum spreading factor code.

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5. A mobile radio system comprising a base station comprising means for signaling to a radio network controller a capacity credit and a capacity consumption law giving costs per spreading code, and a radio network controller comprising means for, in the case of multicode transmission N spreading codes, updating the capacity credit on the basis of the cost for at least one of the N spreading codes.

6. A radio network controller comprising:  
means for receiving from a base station a capacity credit and a capacity consumption law giving costs per spreading code, and  
means for, in the case of multicode transmission using N spreading codes, updating the capacity credit on the basis of the cost for at least one of the N spreading codes.

7. ~~A load control and/or call admission control method in a mobile radio system, wherein: a base station signals to a radio network control a capacity credit, and a capacity consumption law, the radio network controller updates the capacity credit on the basis of the consumption law, and if the capacity credit in the uplink and/or downlink direction falls below a given first threshold, any new call is rejected until the capacity credit is again above a given second threshold greater than or equal to the first threshold.~~

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8. — A mobile radio system comprising a base station comprising means for signaling to a radio network controller a capacity credit and a capacity consumption law, a radio network controller comprising means for updating the capacity credit on the basis of the capacity consumption law, and a radio network control comprising means for rejecting any new call if the uplink and/or downlink capacity credit falls below a given first threshold until the capacity credit is again above a given second threshold greater than or equal to the first threshold.

9. — A radio network controller comprising: means for receiving from a base station a capacity credit and a capacity consumption law, means for updating the capacity credit on the basis of the capacity consumption law, and means for rejecting any new call if the uplink and/or downlink capacity credit falls below a given first threshold until the capacity credit is again above a given second threshold greater than or equal to the first threshold.

10. — A load control and/or call admission control method in a mobile radio system, wherein: a base station signals to a radio network controller a capacity credit, and a capacity consumption law, the radio network controller updates the capacity credit on the basis of the capacity consumption law, and an overload control procedure is initiated if the capacity credit falls below a given threshold.

11. — A mobile radio communication system, comprising: a base station comprising means for signaling to a radio network controller a capacity credit and a capacity consumption

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law, a radio network controller comprising means for updating the capacity credit on the basis of the capacity consumption law, and means for initiating an overload control procedure if the capacity credit falls below a given threshold.

12. — A radio network controller comprising: means for receiving from a base station a capacity credit and a capacity consumption law, means for updating the capacity credit on the basis of the capacity consumption law, and means for initiating an overload control procedure if the capacity credit falls below a given threshold.

13. — A method of managing processing resources in a mobile radio system, wherein: a base station signals to a radio network controller a capacity credit and a dedicated channels capacity consumption law giving costs per channelization code, and when multiple channelization codes are used by either radio links or a physical downlink shared channel, the radio network controller credits to or debits from the capacity credit a cost taken as  $N$  times the cost of a code, where  $N$  is the number of channelization codes.

7. A method of managing processing resources in a mobile radio system, wherein:
- a base station signals to a radio network controller a capacity credit and a dedicated channels capacity consumption law giving costs per channelization code, and

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when multiple channelization codes are used by either radio links or a physical downlink shared channel, the radio network controller credits to or debits from the capacity credit a cost taken as  $N$  times the cost of a code, where  $N$  is the number of channelization codes.

8. A method of managing processing resources in a mobile radio system, wherein:

a base station signals to a radio network controller a capacity credit and a common channels capacity consumption law giving costs per channelization code, and

when multiple channelization codes are used by a physical channel, the radio network controller credits to or debits from the capacity credit a cost taken as  $N$  times the cost of a code, where  $N$  is the number of channelization codes.

9. A radio network controller, comprising:

means for receiving from a base station a capacity credit and a dedicated channels capacity consumption law giving costs per channelization code, and

means for, when multiple channelization codes are used by either radio links or a physical downlink shared channel, crediting to or debiting from the capacity credit a cost taken as  $N$  times the cost of a code, where  $N$  is the number of channelization codes.

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10. A radio network controller, comprising:

means for receiving from a base station a capacity credit and a common channels capacity consumption law giving costs per channelization code, and

means for, when multiple channelization codes are used by a physical channel, crediting to or debiting from the capacity credit a cost taken as  $N$  times the cost of a code, where  $N$  is the number of channelization codes.



**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO: 6,996,401  
DATED: February 7, 2006  
INVENTOR(S): Pascal AGIN

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete claims 7-13

Replace with correct claims 7-10:

7. A method of managing processing resources in a mobile radio system, wherein:  
a base station signals to a radio network controller a capacity credit and a dedicated channels capacity consumption law giving costs per channelization code, and  
when multiple channelization codes are used by either radio links or a physical downlink shared channel, the radio network controller credits to or debits from the capacity credit a cost taken as N times the cost of a code, where N is the number of channelization codes.
8. A method of managing processing resources in a mobile radio system, wherein:  
a base station signals to a radio network controller a capacity credit and a common channels capacity consumption law giving costs per channelization code, and  
when multiple channelization codes are used by a physical channel, the radio network controller credits to or debits from the capacity credit a cost taken as N times the cost of a code, where N is the number of channelization codes.
9. A radio network controller, comprising:  
means for receiving from a base station a capacity credit and a dedicated channels capacity consumption law giving costs per channelization code, and  
means for, when multiple channelization codes are used by either radio links or a physical downlink shared channel, crediting to or debiting from the capacity credit a cost taken as N times the cost of a code, where N is the number of channelization codes.

10. A radio network controller, comprising:

means for receiving from a base station a capacity credit and a common channels capacity consumption law giving costs per channelization code, and

means for, when multiple channelization codes are used by a physical channel, crediting to or debiting from the capacity credit a cost taken as N times the cost of a code, where N is the number of channelization codes.

MAILING ADDRESS OF SENDER:  
SUGHRUE MION, PLLC

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